**AP Biology Inside the Mitochondria & Metabolic Pool (8.4- 8.5 Outline)**

*Vocabulary*: Define in your own words

Catabolism-

Anabolism-

Preparatory (prep) reaction-

Citric acid cycle-

Cytochrome-

Deamination-

Briefly describe the following concepts:

Describe the roles of FADH2 and NADH in creating a Hydrogen ion (H+) gradient allowing hydrogen ions to be pumped from intermembrane space into the matrix of the mitochondria.

Explain the role of the enzyme ATP synthase in synthesizing ATP in the electron transport chain.

***ABOUT THE READING:***

*After reading about this topic I learned that…*

*From the reading, write about what* ***disturbs****,* ***interests, confuses, or enlightens*** *you. Pick* ***1.***

*Write one question you have formulated about Cellular Respiration:*

*1.*

*ASSIGNED WORK:*  In a paragraph, summarize the “metabolic pool concept” and the roles of catabolism and anabolism in the metabolic pool and in regulating cell function.